

Title (en)

MACHINE PARTS AND MOULD PARTS FOR INJECTION MOULDING, EXTRUDING, EXTRUSION PRESSING AND DIE CASTING

Publication

EP 0453894 A3 19930113 (DE)

Application

EP 91105813 A 19910412

Priority

DE 4012933 A 19900424

Abstract (en)

[origin: EP0453894A2] In the case of machine parts and mould parts for injection moulding, extruding, extrusion pressing and die casting having walls which come into contact with the materials to be processed, these walls are to consist at least partly of high-performance ceramic. <IMAGE>

IPC 1-7

B29C 33/38; B29C 33/56; B29C 45/37; B29C 45/58; B29C 45/60; B29C 45/62; B29C 47/12; B29C 47/60; B29C 47/66

IPC 8 full level

B29C 45/27 (2006.01); **B29C 45/37** (2006.01); **B29C 45/62** (2006.01)

CPC (source: EP)

B29C 45/2701 (2013.01); **B29C 45/37** (2013.01); **B29C 45/62** (2013.01); **B29C 48/6801** (2019.01); **B29C 2045/272** (2013.01)

Citation (search report)

- [X] DE 3712128 A1 19881027 - OPT ENGINEERING AG [CH]
- [X] EP 0334163 A2 19890927 - BAYER AG [DE]
- [X] DE 3702191 A1 19881103 - KLOECKNER FERROMATIK DESMA [DE]
- [X] CH 671921 A5 19891013 - KLOECKNER FERROMATIK DESMA
- [X] CH 669555 A5 19890331 - REIFENHAEUSER MASCH
- [X] EP 0307561 A1 19890322 - KLOECKNER FERROMATIK DESMA [DE]
- [X] US 4704079 A 19871103 - PLUIM JR ARTHUR W [US]
- [X] DE 2204830 B2 19750918
- [A] EP 0144157 A2 19850612 - DU PONT CANADA [CA]

Cited by

CN103568274A; EP0920969A1; US6331106B1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0453894 A2 1991030; EP 0453894 A3 19930113; DE 4012933 A1 19911031

DOCDB simple family (application)

EP 91105813 A 19910412; DE 4012933 A 19900424